

What is claimed is:

1. A double-sided pressure-sensitive adhesive sheet to be used in sticking and fixing a touch panel to a display surface of a display device, one surface of the double-sided pressure-sensitive adhesive sheet being stuck substantially entirely on the touch panel, and the other surface being stuck substantially entirely on the display surface of the display device, wherein the double-sided pressure-sensitive adhesive sheet has at least two pressure-sensitive adhesive layers but does not have a substrate, is constructed such that it is repeatedly peelable against at least one surface of the touch panel and the display surface of the display device, and has optical isotropy.
2. The double-sided pressure-sensitive adhesive sheet according to claim 1, which has from two to five pressure-sensitive adhesive layers.
3. The double-sided pressure-sensitive adhesive sheet according to claim 1, wherein the pressure-sensitive adhesive layers at least in the both outer sides are formed of an acrylic pressure-sensitive adhesive.
4. The double-sided pressure-sensitive adhesive sheet according to claim 1, wherein at least one pressure-sensitive adhesive layer of the pressure-sensitive adhesive layers in the both outer sides has a 180°-peeling adhesive strength (to a glass plate or a triacetyl cellulose film at

a peeling rate of 300 mm/min at 23°C) of not more than 5.0 N/20 mm.

5. The double-sided pressure-sensitive adhesive sheet according to claim 1, which is used for fixing a display device to a touch panel in the inner touch panel system.

6. A touch panel-provided display device, wherein a display device and a touch panel are fixed to each other via the double-sided pressure-sensitive adhesive sheet according to any one of claims 1 to 5.